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PATENT  
ATTORNEY DOCKET NO. 041465-5257

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of: )  
 )  
Masatoshi YANAGIDAIR et al. )  
 )  
Application No.: 10/524,414 )  
 )  
Filed: 02/14/05 )

Title: APPARATUS FOR DETECTING  
BIOLOGICAL INFORMATION, CONTACT  
MEMBER USED FOR THE APPARATUS, AND  
PAINT FOR BIOLOGICAL INFORMATION  
DETECTING MEMBER USED FOR THE  
APPARATUS

Commissioner for Patents  
U.S. Patent and Trademark Office  
Alexandria, VA 22314

Sir:

**CHANGE OF CORRESPONDENCE ADDRESS**

Please enter the correspondence address of this application as:

**Customer Number 55694**

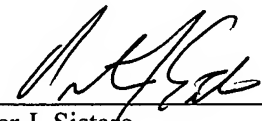
A new power of attorney appointing the undersigned is being filed concurrently herewith. If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

Respectfully submitted,

**DRINKER, BIDDLE & REATH LLP**

Dated: January 18, 2006

By:

  
Peter J. Sistare  
Registration No. 48,183

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Sir:

**SUBMISSION OF REVOCATION OF ORIGINAL POWER OF ATTORNEY  
AND GRANT OF NEW POWER OF ATTORNEY**

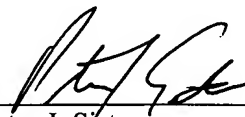
Enclosed is a copy of the Revocation of Original Power of Attorney and Grant of New Power of Attorney by the Assignee.

If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

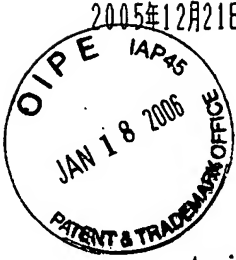
Respectfully submitted,

**DRINKER, BIDDLE & REATH LLP**

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# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: **PIONEER CORPORATION**

Commissioner for Patents  
Washington, D.C. 20231

## REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), **PIONEER CORPORATION**, a Japanese corporation, certifies that it is an assignee of the patent applications and issued patents identified in the following chart by virtue of respective Assignment documents for each listed application and patent from the inventor(s) to **PIONEER CORPORATION** submitted to the U.S. Patent and Trademark Office. The dates on which the assignments were submitted and the reel/frame numbers at which the assignments were recorded are indicated in the chart below when known.

| Filing Date | Attorney Docket No. | Application No. | Patent No. (if applicable) | Issue Date (if applicable) | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 05/23/95    | 041465-0002         | 08/450,952      | 5,697,080                  | 12/09/97                   | 07/06/95; 7545/0112                |
| 11/02/94    | 041465-5003         | 08/333,326      | 5,600,615                  | 02/04/97                   | 11/02/94; 7191/0280                |
| 10/13/95    | 041465-5004         | 08/543,083      | 5,734,631                  | 03/31/98                   | 10/13/95; 7837/0471                |
| 02/01/96    | 041465-5007         | 08/595,196      | 5,757,742                  | 05/26/98                   | 02/01/96; 7861/0266                |
| 03/26/98    | 041465-5007-01      | 09/048,217      | 5,910,937                  | 06/08/99                   | 02/01/96; 7861/0266                |
| 03/06/96    | 041465-5008-01      | 08/611,753      | 5,892,748                  | 04/06/99                   | 03/06/96; 7913/0363                |
| 03/29/96    | 041465-5009         | 08/623,821      | 5,703,864                  | 12/30/97                   | 03/29/96; 7939/0077                |
| 06/27/96    | 041465-5012         | 08/670,533      | 5,886,965                  | 03/23/99                   | 06/27/96; 8071/0759                |
| 06/28/96    | 041465-5013         | 08/671,652      | 5,758,008                  | 05/26/98                   | 06/28/96; 8068/0555                |
| 07/02/96    | 041465-5014         | 08/677,452      | 5,636,186                  | 06/03/97                   | 07/02/96; 8082/0131                |
| 07/03/96    | 041465-5015         | 08/675,016      | 5,892,983                  | 04/06/99                   | 07/03/96; 8087/0944                |
| 07/09/96    | 041465-5016         | 08/677,196      | 5,787,222                  | 07/28/98                   | 07/09/96; 8107/0515                |
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| 01/12/99    | 041465-5017-01      | 08/747,666      | 5,978,347                  | 11/02/99                   | 11/12/96; 8314/0092                |
| 08/18/99    | 041465-5017-02      | 09/376,295      | 6,175,545                  | 01/16/01                   | 11/12/96; 8314/0092                |
| 11/13/96    | 041465-5018         | 08/748,029      | 5,729,522                  | 03/17/98                   | 11/12/96; 8315/0887                |
| 01/30/97    | 041465-5019         | 08/791,316      | 5,886,970                  | 03/23/99                   | 10/10/97; 8743/0042                |
| 04/26/00    | 041465-5020-01      | 08/806,458      | 6,236,804                  | 05/22/01                   | 09/30/97; 8757/0863                |
| 04/02/01    | 041465-5020-02      | 09/822,259      | 6,741,797                  | 05/25/04                   | 09/30/97; 8757/0863                |

Assignee : PIONEER CORPORATION

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| Filing Date | Attorney Docket No. | Application No. | Patent No. (if applicable) | Issue Date (if applicable) | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 03/27/02    | 041465-5020-03      | 10/106,355      |                            |                            | 09/30/97; 8757/0863                |
| 02/26/97    | 041465-5021         | 08/806,459      | 6,006,004                  | 12/21/99                   | 09/30/97; 8757/0818                |
| 09/24/99    | 041465-5021-01      | 09/404,765      | 6,253,018                  | 06/26/01                   | 09/30/97; 8757/0818                |
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| 03/14/97    | 041465-5022         | 08/816,941      | 6,085,021                  | 07/04/00                   | 03/14/97; 8590/0393                |
| 03/06/97    | 041465-5023         | 08/812,882      | 6,108,486                  | 08/22/00                   | 07/17/97; 8618/0444                |
| 03/11/97    | 041465-5024         | 08/815,184      | 5,960,152                  | 09/28/99                   | 08/25/97; 8675/0804                |
| 3/13/97     | 041465-5025         | 08/816,686      | 6,148,138                  | 11/14/00                   | 03/13/97; 8440/0330                |
| 03/11/97    | 041465-5026         | 08/815,162      | 5,729,516                  | 03/17/98                   | 03/11/97; 8440/0113                |
| 09/29/98    | 041465-5027-01      | 08/815,956      | 6,031,962                  | 02/29/00                   | 03/13/97; 8457/0610                |
| 03/13/97    | 041465-5028         | 08/816,889      | 5,933,569                  | 08/03/99                   | 08/27/03; 14441/0983               |
| 03/17/97    | 041465-5029         | 08/819,861      | 5,805,537                  | 09/08/98                   | 09/05/97; 8696/0064                |
| 04/13/99    | 041465-5030-02      | 08/820,257      | 6,104,684                  | 08/15/00                   | 03/18/97; 8462/0522                |
| 04/28/00    | 041465-5030-03      | 09/559,971      | 6,757,483                  | 06/29/04                   | 03/18/97; 8462/0522                |
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| 03/17/97    | 041465-5031         | 08/822,157      | 6,091,674                  | 07/18/00                   | 09/30/97; 8757/0845                |
| 03/17/97    | 041465-5032         | 08/819,012      | 6,157,769                  | 12/05/00                   | 03/17/97; 8453/0647                |
| 08/17/00    | 041465-5032-01      | 09/639,887      | 6,501,903                  | 12/31/02                   | 12/09/03; 14178/0529               |
| 05/29/02    | 041465-5032-02      | 10/156,393      |                            |                            | 12/09/03; 14178/0529               |
| 03/17/97    | 041465-5033         | 08/819,011      | 6,014,495                  | 01/11/00                   | 03/17/97; 8453/0640                |
| 12/02/99    | 041465-5033-01      | 09/452,889      | 6,778,761                  | 08/17/04                   | 03/17/97; 8453/0640                |
| 06/27/03    | 041465-5034-03      | 10/606,831      |                            |                            | 03/28/02; 12713/0974               |
| 03/18/97    | 041465-5035         | 08/820,256      | 5,966,352                  | 10/12/99                   | 03/18/97; 8462/0495                |
| 03/20/97    | 041465-5036         | 08/825,560      | 5,889,746                  | 03/30/99                   | 03/20/97; 9333/0261                |
| 03/21/97    | 041465-5037         | 08/821,424      | 6,137,954                  | 10/24/00                   | 03/21/97; 8476/0385                |
| 08/30/00    | 041465-5038-01      | 08/822,457      | 6,212,330                  | 04/03/01                   | 03/21/97; 8465/0613                |
| 03/21/97    | 041465-5039         | 08/821,920      | 5,742,569                  | 04/21/98                   | 03/21/97; 8536/0356                |
| 04/01/97    | 041465-5040         | 08/831,716      | 6,088,506                  | 07/11/00                   | 09/05/97; 8696/0061                |
| 11/15/99    | 041465-5040-01      | 09/440,290      | 6,266,478                  | 07/24/01                   | 09/05/97; 8696/0061                |
| 05/23/01    | 041465-5040-02      | 09/862,457      | 6,567,612                  | 05/20/03                   | 09/05/97; 8696/0061                |
| 05/02/03    | 041465-5040-03      | 10/427,970      |                            |                            | 09/05/97; 8696/0061                |
| 10/12/99    | 041465-5041-01      | 08/834,806      | 6,215,952                  | 04/10/01                   | 09/12/97; 8696/0128                |
| 05/23/01    | 041465-5041-02      | 09/731,653      |                            |                            | 09/12/97; 8696/0128                |

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|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 04/07/97    | 041465-5042         | 08/833,476      | 5,936,925                  | 08/10/99                   | 01/26/98; 9093/0410                |
| 06/20/97    | 041465-5043         | 08/879,969      | 6,058,087                  | 05/02/00                   | 06/20/97; 8661/0104                |
| 11/09/00    | 041465-5044-01      | 08/897,033      | 6,272,332                  | 08/07/01                   | 07/18/97; 8696/0425                |
| 11/09/00    | 041465-5044-02      | 09/708,503      | 6,526,285                  | 02/25/03                   | 07/18/87; 8689/0425                |
| 08/01/97    | 041465-5045         | 08/905,044      | 5,896,353                  | 04/20/99                   | 08/01/97; 8737/0950                |
| 08/20/97    | 041465-5046         | 08/915,649      | 5,815,472                  | 09/29/98                   | 08/20/97; 8771/0962                |
| 08/22/97    | 041465-5047         | 08/916,326      | 5,917,793                  | 06/29/99                   | 08/22/97; 8774/0518                |
| 09/02/97    | 041465-5048         | 08/921,460      | 5,985,792                  | 11/16/99                   | 09/02/97; 8785/0322                |
| 04/16/98    | 041465-5049         | 09/060,961      | 6,104,019                  | 08/15/00                   | 04/16/98; 9106/0391                |
| 06/19/98    | 041465-5050         | 09/100,098      | 5,991,244                  | 11/23/99                   | 06/19/98; 9263/0379                |
| 08/05/98    | 041465-5051         | 09/129,420      | 6,094,638                  | 07/25/00                   | 08/05/98; 9369/0435                |
| 11/27/98    | 041465-5052         | 09/200,428      | 6,272,082                  | 08/07/01                   | 11/25/98; 9617/0643                |
| 07/25/01    | 041465-5052-01      | 09/911,788      | 6,396,781                  | 05/28/02                   | 11/25/98; 9617/0643                |
| 04/09/02    | 041465-5052-02      | 10/118,234      | 6,574,187                  | 06/03/03                   | 11/25/98; 9617/0643                |
| 08/20/02    | 041465-5053-01      | 09/200,430      |                            |                            | 11/25/98; 9617/0619                |
| 12/23/98    | 041465-5054         | 09/219,778      | 6,198,085                  | 03/06/01                   | 12/23/98; 9679/0182                |
| 01/20/99    | 041465-5056         | 09/233,423      | 6,507,541                  | 01/14/03                   | 01/20/99; 9713/0689                |
| 07/22/02    | 041465-5056-01      | 10/199,019      | 6,680,890                  | 01/20/04                   | 01/20/99; 9713/0689                |
| 02/18/99    | 041465-5058         | 09/251,740      | 6,212,141                  | 04/03/01                   | 02/18/99; 9784/0616                |
| 03/08/99    | 041465-5059         | 09/263,851      | 6,219,309                  | 04/17/01                   | 03/08/99; 9820/0553                |
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| 03/16/99    | 041465-5060         | 09/270,658      | 6,308,006                  | 10/23/01                   | 03/16/99; 9828/0089                |
| 08/31/01    | 041465-5060-01      | 09/942,584      | 6,760,540                  | 07/06/04                   | 03/16/99; 9828/0089                |
| 05/24/04    | 041465-5060-02      | 10/851,327      |                            |                            | 03/16/99; 9828/0089                |
| 03/12/99    | 041465-5061         | 09/266,780      | 6,850,690                  | 02/01/05                   | 03/12/99; 9818/0136                |
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| 03/19/99    | 041465-5063         | 09/271,990      | 6,343,055                  | 01/29/02                   | 07/16/99; 10234/0058               |
| 01/29/02    | 041465-5064-01      | 10/058,098      | 6,859,421                  | 02/22/05                   | 04/09/99; 9894/0803                |
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| 10/05/99    | 041465-5067         | 09/412,309      |                            |                            | 10/05/99; 10302/0737               |

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|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 10/28/99    | 041465-5068         | 09/428,943      | 6,442,111                  | 08/27/02                   | 10/28/99; 10353/0608               |
| 10/28/99    | 041465-5069         | 09/429,559      | 6,411,576                  | 06/25/02                   | 10/28/99; 10353/0406               |
| 10/29/99    | 041465-5070         | 09/429,615      | 6,381,206                  | 04/30/02                   | 10/29/99; 10459/0429               |
| 11/24/99    | 041465-5071         | 09/444,719      | 6,571,055                  | 05/27/03                   | 11/24/99; 10431/0851               |
| 11/23/99    | 041465-5072         | 09/447,416      | 6,577,589                  | 06/10/03                   | 11/23/99; 10432/0520               |
| 11/05/02    | 041465-5073-01      | 09/482,918      | 6,545,965                  | 04/08/03                   | 01/14/00; 10524/0952               |
| 01/24/00    | 041465-5075         | 09/490,870      | 6,272,105                  | 08/07/01                   | 01/24/00; 10585/0960               |
| 03/17/00    | 041465-5076         | 09/527,457      | 6,487,160                  | 11/26/02                   | 03/17/00; 10698/0247               |
| 04/14/00    | 041465-5077         | 09/550,078      |                            |                            |                                    |
| 06/06/00    | 041465-5078         | 09/588,660      | 6,370,097                  | 04/09/02                   | 06/06/00; 10877/0939               |
| 12/27/99    | 041465-5079         | 09/472,504      | 6,879,771                  | 04/12/05                   | 12/27/99; 10502/0467               |
| 06/27/00    | 041465-5081         | 09/604,398      |                            |                            | 06/27/00; 10934/0044               |
| 06/30/00    | 041465-5082         | 09/608,962      | 6,674,706                  | 01/06/04                   | 06/30/00; 10975/0295               |
| 07/27/00    | 041465-5083         | 09/627,304      |                            |                            | 07/27/00; 11054/0149               |
| 08/17/00    | 041465-5084         | 09/639,888      | 6,546,258                  | 04/08/03                   | 08/17/00; 11054/0596               |
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| 09/08/00    | 041465-5086         | 09/658,877      |                            |                            | 09/18/00; 11328/0811               |
| 09/08/00    | 041465-5087         | 09/657,805      | 6,701,468                  | 03/02/04                   | 09/08/00; 11146/0366               |
| 09/28/00    | 041465-5088         | 09/617,112      | 6,345,033                  | 02/05/02                   | 09/28/00; 11209/0620               |
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| 07/17/02    | 041465-5090-01      | 10/196,250      | 6,587,428                  | 07/01/03                   | 10/13/00; 11282/0737               |
| 10/27/00    | 041465-5091         | 09/697,738      | 6,560,174                  | 05/06/03                   | 10/27/00; 11266/0377               |
| 12/07/00    | 041465-5092         | 09/730,797      | 6,556,920                  | 04/29/03                   | 12/07/00; 11359/0649               |
| 12/13/00    | 041465-5093         | 09/734,678      | 6,876,922                  | 04/05/05                   | 12/13/00; 11362/0007               |
| 12/14/00    | 041465-5094         | 09/735,514      | 6,738,710                  | 05/18/04                   | 12/14/00; 11382/0687               |
| 12/22/00    | 041465-5095         | 09/742,328      | 6,516,269                  | 02/04/03                   | 12/22/00; 11406/0723               |
| 12/28/00    | 041465-5096         | 09/749,177      | 6,728,181                  | 04/27/04                   | 12/28/00; 11413/0666               |
| 02/28/01    | 041465-5097         | 09/794,115      | 6,556,302                  | 04-29-03                   | 02/28/01; 11578/0103               |
| 02/27/01    | 041465-5098         | 09/793,583      | 6,449,222                  | 09/10/02                   | 02/27/01; 11576/0534               |
| 03/01/01    | 041465-5099         | 09/795,346      |                            |                            | 03/01/01; 11584/0128               |
| 03/20/01    | 041465-5100         | 09/811,624      | 6,545,956                  | 04/08/03                   | 03/20/01; 11632/0090               |
| 03/14/01    | 041465-5101         | 09/805,361      | 6,781,637                  | 08/24/04                   | 03/14/01; 11631/0756               |
| 03/28/01    | 041465-5102         | 09/818,632      |                            |                            | 03/28/01; 11646/0731               |

Please correct the Serial Number to read "09/671, 112."

Assignee : PIONEER CORPORATION

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| 03/27/01    | 041465-5103         | 09/817,246      |                            |                            | 03/27/01; 11662/0358               |
| 03/27/01    | 041465-5104         | 09/817,245      |                            |                            | 03/27/01; 11662/0366               |
| 03/29/01    | 041465-5105         | 09/819,978      | 6,757,229                  | 06/29/04                   | 07/05/01; 11948/0188               |
| 04/03/01    | 041465-5106         | 09/823,980      | 6,724,703                  | 04/20/04                   | 04/03/01; 11678/0508               |
| 01/23/04    | 041465-5106-01      | 10/762,313      |                            |                            | 04/03/01; 11678/0508               |
| 04/04/01    | 041465-5107         | 09/824,717      | 6,885,773                  | 04/26/05                   | 04/04/01; 11677/0573               |
| 04/05/01    | 041465-5108         | 09/826,009      |                            |                            | 04/05/01; 11691/0098               |
| 04/20/01    | 041465-5109         | 09/838,259      |                            |                            | 04/20/01; 11734/0748               |
| 04/27/01    | 041465-5110         | 09/846,557      | RE38602                    | 09/28/04                   | 06/24/96; 8079/0950                |
| 05/09/01    | 041465-5111         | 09/851,391      |                            |                            | 05/09/01; 11792/0359               |
| 06/27/01    | 041465-5112         | 09/891,470      |                            |                            | 06/27/01; 11941/0266               |
| 07/09/01    | 041465-5113         | 09/900,152      | 6,898,160                  | 05/24/05                   | 07/09/01; 11973/0809               |
| 07/25/01    | 041465-5114         | 09/911,424      | 6,813,237                  | 11/02/04                   | 07/25/01; 12019/0788               |
| 12/10/03    | 041465-5114-01      | 10/730,981      |                            |                            | 07/25/01; 12019/0788               |
| 08/08/01    | 041465-5115         | 09/924,055      |                            |                            |                                    |
| 08/15/01    | 041465-5116         | 09/929,108      |                            |                            | 08/15/01; 12084/0016               |
| 08/15/01    | 041465-5117         | 09/929,109      |                            |                            | 08/15/01; 12084/0013               |
| 08/15/01    | 041465-5118         | 09/929,110      |                            |                            | 08/15/01; 12082/0907               |
| 09/14/01    | 041465-5119         | 09/951,437      |                            |                            | 09/14/01; 12173/0927               |
| 09/19/01    | 041465-5120         | 09/955,117      | 6,657,939                  | 12/02/03                   | 09/19/01; 12182/0825               |
| 09/19/01    | 041465-5121         | 09/955,239      | 6,804,187                  | 10/12/04                   | 09/19/01; 12181/0564               |
| 10/01/01    | 041465-5122         | 09/966,066      |                            |                            | 10/01/01; 12221/0632               |
| 10/02/01    | 041465-5123         | 09/968,502      |                            |                            | 10/02/01; 12226/0483               |
| 10/12/01    | 041465-5124         | 09/974,825      | 6,735,153                  | 05/11/04                   | 10/12/01; 12254/0764               |
| 02/17/04    | 041465-5124-01      | 10/778,213      |                            |                            | 10/12/01; 12254/0764               |
| 11/06/01    | 041465-5126         | 09/985,836      |                            |                            | 11/06/01; 12299/0153               |
| 11/23/01    | 041465-5128         | 09/990,372      |                            |                            | 11/23/01; 12321/0008               |
| 11/23/01    | 041465-5129         | 09/990,343      |                            |                            | 11/23/01; 12320/0875               |
| 08/10/04    | 041465-5129-01      | 10/914,267      |                            |                            | 11/23/01; 12320/0875               |
| 08/10/04    | 041465-5129-02      | 10/914,266      |                            |                            | 11/23/01; 12320/0875               |
| 08/10/04    | 041465-5129-03      | 10/914,186      |                            |                            | 11/23/01; 12320/0875               |
| 12/17/01    | 041465-5130         | 10/015,895      |                            |                            | 12/17/01; 12389/0133               |
| 12/26/01    | 041465-5131         | 10/025,809      |                            |                            | 12/26/01; 12397/0745               |
| 12/26/01    | 041465-5132         | 10/025,810      | 6,738,212                  | 05/18/04                   | 12/26/01; 12397/0885               |

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|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 01/10/02    | 041465-5133         | 10/041,473      |                            |                            | 01/10/02; 12460/0908               |
| 01/30/02    | 041465-5134         | 10/058,857      | 6,880,164                  | 04/12/05                   | 01/30/02; 12543/0972               |
| 10/29/04    | 041465-5134-01      | 10/975,549      |                            |                            | 01/30/02; 12543/0972               |
| 10/29/04    | 041465-5134-02      | 10/975,421      |                            |                            | 01/30/02; 12543/0972               |
| 02/08/02    | 041465-5135         | 10/068,024      |                            |                            | 02/08/02; 12671/0504               |
| 02/08/02    | 041465-5136         | 10/067,770      | 6,839,313                  | 01/04/05                   | 02/08/02; 12578/0435               |
| 02/14/02    | 041465-5139         | 10/073,867      |                            |                            | 02/14/02; 12599/0077               |
| 02/19/02    | 041465-5140         | 10/076,602      |                            |                            | 02/19/02; 12620/0576               |
| 02/27/02    | 041465-5141         | 10/083,648      | 6,678,165                  | 01/13/04                   | 02/27/02; 12643/0297               |
| 10/20/03    | 041465-5141-01      | 10/687,704      |                            |                            | 02/27/02; 12643/0297               |
| 03/06/02    | 041465-5142         | 10/091,332      |                            |                            | 03/06/02; 12672/0990               |
| 03/12/02    | 041465-5143         | 10/094,621      |                            |                            | 03/12/02; 12694/0425               |
| 03/26/02    | 041465-5145         | 10/105,946      |                            |                            | 03/26/02; 12739/0388               |
| 04/10/02    | 041465-5146         | 10/119,117      |                            |                            | 04/10/02; 12791/0619               |
| 06/09/04    | 041465-5146-01      | 10/863,236      |                            |                            | 04/10/02; 12791/0619               |
| 04/17/02    | 041465-5147         | 10/123,884      | 6,690,574                  | 02/10/04                   | 04/17/02; 12812/0702               |
| 04/25/02    | 041465-5148         | 10/131,217      |                            |                            | 04/25/02; 12838/0574               |
| 05/02/02    | 041465-5149         | 10/136,445      |                            |                            | 08/01/02; 13217/0279               |
| 05/06/02    | 041465-5150         | 10/138,638      | 6,687,204                  | 02/03/04                   | 05/06/02; 12870/0965               |
| 05/06/02    | 041465-5151         | 10/138,779      | 6,907,611                  | 06/14/05                   | 05/06/02; 12869/0104               |
| 05/15/02    | 041465-5152         | 10/144,864      | 6,657,482                  | 12/02/03                   | 05/15/02; 12907/0301               |
| 05/16/02    | 041465-5153         | 10/145,812      | 6,621,436                  | 09/16/03                   | 05/16/02; 12907/0532               |
| 05/09/02    | 041465-5154         | 10/141,081      | 6,700,519                  | 03/02/04                   | 05/09/02; 12892/0022               |
| 06/26/02    | 041465-5155         | 10/179,890      |                            |                            | 06/26/02; 13058/0275               |
| 06/25/02    | 041465-5156         | 10/178,473      |                            |                            | 06/25/02; 13058/0214               |
| 06/25/02    | 041465-5157         | 10/178,729      |                            |                            | 06/25/02; 13058/0231               |
| 06/12/02    | 041465-5158         | 10/166,727      |                            |                            | 09/12/02; 13298/0004               |
| 06/12/02    | 041465-5159         | 10/166,718      |                            |                            | 09/12/02; 13294/0581               |
| 06/28/02    | 041465-5160         | 10/183,162      | 6,888,516                  | 05/03/05                   | 06/26/02; 13060/0921               |
| 06/26/02    | 041465-5161         | 10/179,889      |                            |                            | 06/26/02; 13058/0347               |
| 07/16/02    | 041465-5162         | 10/195,809      |                            |                            | 07/16/02; 13112/0820               |
| 09/03/02    | 041465-5164         | 10/233,113      | 6,804,590                  | 10/12/04                   | 09/03/02; 13263/0114               |
| 09/06/02    | 041465-5165         | 10/235,853      |                            |                            | 12/03/02; 13550/0712               |
| 09/11/02    | 041465-5166         | 10/238,619      |                            |                            | 09/11/02; 13281/0585               |



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|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 09/11/02    | 041465-5167         | 10/238,617      |                            |                            | 09/11/02; 13281/0519               |
| 09/24/02    | 041465-5168         | 10/252,571      | 6,822,210                  | 11/23/04                   | 09/24/02; 13322/0417               |
| 09/13/02    | 041465-5169         | 10/242,673      |                            |                            | 12/11/02; 13576/0043               |
| 09/26/02    | 041465-5170         | 10/254,766      |                            |                            | 09/26/02; 13337/0624               |
| 12/06/02    | 041465-5173         | 10/313,015      |                            |                            | 12/06/02; 13556/0595               |
| 01/10/03    | 041465-5174         | 10/339,664      |                            |                            | 06/09/03; 14158/0657               |
| 02/10/03    | 041465-5176         | 10/360,707      |                            |                            | 02/10/03; 13754/0739               |
| 02/27/03    | 041465-5177         | 10/374,093      |                            |                            | 02/27/03; 13829/0953               |
| 10/31/03    | 041465-5179         | 10/398,183      |                            |                            | 10/31/03; 14721/0153               |
| 03/30/05    | 041465-5179-01      | 11/092,827      |                            |                            | 10/31/03; 14721/0153               |
| 03/31/03    | 041465-5180         | 10/401,687      |                            |                            | 03/31/03; 13929/0488               |
| 04/08/03    | 041465-5181         | 10/408,279      | 6,937,547                  | 08/30/05                   | 04/08/03; 13969/0448               |
| 04/14/03    | 041465-5182         | 10/412,691      |                            |                            | 08/20/03; 14417/0092               |
| 04/16/03    | 041465-5183         | 10/414,312      |                            |                            | 04/16/03; 13978/0775               |
| 04/15/03    | 041465-5184         | 10/413,546      |                            |                            | 04/15/03; 13982/0028               |
| 04/16/03    | 041465-5185         | 10/413,999      |                            |                            | 04/16/03; 13978/0779               |
| 04/16/03    | 041465-5186         | 10/414,503      | 6,781,526                  | 08/24/04                   | 09/17/03; 14508/0558               |
| 04/21/03    | 041465-5187         | 10/419,259      |                            |                            | 04/21/03; 13991/0038               |
| 05/19/03    | 041465-5188         | 10/440,326      |                            |                            | 05/19/03; 14104/0450               |
| 06/05/03    | 041465-5189         | 10/433,565      |                            |                            | 06/05/03; 14478/0119               |
| 06/20/03    | 041465-5190         | 10/465,893      | 6,873,275                  | 03/29/05                   | 06/20/03; 14211/0106               |
| 06/16/03    | 041465-5191         | 10/461,511      |                            |                            | 06/16/03; 14187/0504               |
| 06/24/03    | 041465-5192         | 10/602,033      |                            |                            | 06/24/03; 14228/0476               |
| 07/02/03    | 041465-5193         | 10/610,695      |                            |                            | 07/02/03; 14270/0624               |
| 07/17/03    | 041465-5194         | 10/620,802      |                            |                            | 12/02/03; 14750/0354               |
| 08/27/03    | 041465-5195         | 10/648,345      |                            |                            | 08/27/03; 14441/0983               |
| 08/26/03    | 041465-5196         | 10/647,589      |                            |                            | 08/26/03; 14430/0664               |
| 08/28/03    | 041465-5197         | 10/649,858      |                            |                            | 08/28/03; 14449/0435               |
| 08/29/03    | 041465-5198         | 10/650,996      |                            |                            | 08/29/03; 14471/0669               |
| 09/22/03    | 041465-5199         | 10/664,897      |                            |                            | 09/22/03; 14526/0282               |
| 09/16/03    | 041465-5200         | 10/662,387      |                            |                            | 09/16/03; 14514/0365               |
| 09/30/03    | 041465-5201         | 10/673,515      |                            |                            | 09/30/03; 14550/0442               |
| 10/07/03    | 041465-5202         | 10/679,430      |                            |                            | 11/19/02; 13503/0897               |
| 10/07/03    | 041465-5203         | 10/679,361      | 6,845,078                  | 01/18/05                   | 10/07/03; 14593/0813               |

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|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 10/15/03    | 041465-5204         | 10/686,283      |                            |                            | 10/15/03; 14618/0175               |
| 10/27/03    | 041465-5205         | 10/475,916      |                            |                            | 10/27/03; 15154/0840               |
| 10/15/03    | 041465-5206         | 10/684,500      |                            |                            | 10/15/03; 14614/0689               |
| 10/23/03    | 041465-5207         | 10/690,506      |                            |                            | 10/23/03; 14632/0387               |
| 10/24/03    | 041465-5208         | 10/691,709      |                            |                            | 10/24/03; 14633/0783               |
| 10/29/03    | 041465-5209         | 10/694,946      |                            |                            | 10/29/03; 14660/0609               |
| 05/21/99    | 041465-5210         | 09/315,980      | 6,889,002                  | 05/03/05                   | 08/13/99; 10165/0113               |
| 10/30/03    | 041465-5211         | 10/695,955      |                            |                            | 10/30/03; 14660/0472               |
| 11/17/03    | 041465-5212         | 10/713,038      |                            |                            | 11/17/03; 14712/0648               |
| 11/18/03    | 041465-5213         | 10/714,625      |                            |                            | 11/18/03; 14711/0312               |
| 12/02/03    | 041465-5214         | 10/724,626      |                            |                            | 12/02/03; 14767/0800               |
| 01/09/04    | 041465-5215         | 10/753,533      |                            |                            | 01/09/04; 14880/0142               |
| 01/09/04    | 041465-5216         | 10/753,450      |                            |                            | 01/09/04; 14888/0185               |
| 03/05/04    | 041465-5217         | 10/793,252      |                            |                            | 03/05/04; 15064/0475               |
| 02/23/04    | 041465-5218         | 10/782,868      |                            |                            | 02/23/04; 15013/0176               |
| 03/12/04    | 041465-5219         | 10/798,944      |                            |                            | 03/12/04; 15095/0032               |
| 04/15/04    | 041465-5220         | 10/824,589      |                            |                            | 10/21/04; 15222/0965               |
| 04/15/04    | 041465-5221         | 10/824,595      |                            |                            | 04/15/04; 15222/0972               |
| 04/07/04    | 041465-5222         | 10/819,106      |                            |                            | 04/07/04; 15189/0134               |
| 04/08/04    | 041465-5223         | 10/820,225      |                            |                            | 08/23/04; 15731/0147               |
| 05/07/04    | 041465-5224         | 10/840,257      |                            |                            | 05/07/04; 15307/0136               |
| 04/23/04    | 041465-5225         | 10/830,221      |                            |                            | 04/23/04; 15260/0754               |
| 05/07/04    | 041465-5226         | 10/840,479      |                            |                            | 05/07/04; 15316/0959               |
| 05/07/04    | 041465-5227         | 10/840,513      |                            |                            | 07/11/02; 13105/0660               |
| 05/12/04    | 041465-5228         | 10/495,216      |                            |                            | 05/12/04; 16128/0470               |
| 06/02/04    | 041465-5229         | 10/858,383      |                            |                            | 06/02/04; 15447/0777               |
| 07/23/04    | 041465-5230         | 10/896,883      |                            |                            | 07/23/04; 15616/0654               |
| 07/22/04    | 041465-5231         | 10/895,944      |                            |                            | 07/22/04; 15615/0967               |
| 07/23/04    | 041465-5232         | 10/896,878      |                            |                            | 07/23/04; 15616/0663               |
| 07/28/04    | 041465-5233         | 10/900,327      |                            |                            | 07/28/04; 15630/0331               |
| 07/28/04    | 041465-5234         | 10/900,328      |                            |                            | 07/28/04; 15631/0327               |
| 08/09/04    | 041465-5235         | 10/913,504      |                            |                            | 11/15/04; 15992/0207               |
| 08/09/04    | 041465-5236         | 10/913,492      |                            |                            | 11/15/02; 15992/0214               |
| 08/23/04    | 041465-5237         | 10/922,827      |                            |                            | 08/23/04; 15719/0015               |

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| 09/17/04    | 041465-5238         | 10/942,847      |                            |                            | 09/07/04; 15805/0136               |
| 08/27/04    | 041465-5239         | 10/927,527      |                            |                            | 11/19/04; 16008/0534               |
| 09/03/04    | 041465-5240         | 10/506,506      |                            |                            | 09/30/04; 16266/0320               |
| 09/03/04    | 041465-5241         | 10/506,515      |                            |                            | 09/03/04; 16294/0223               |
| 09/03/04    | 041465-5242         | 10/506,503      |                            |                            | 09/03/04; 16415/0281               |
| 09/03/04    | 041465-5243         | 10/506,527      |                            |                            | 09/03/04; 16233/0604               |
| 09/20/04    | 041465-5244         | 10/944,047      |                            |                            | 09/20/04; 15812/0565               |
| 09/14/04    | 041465-5245         | 10/939,435      |                            |                            | 09/14/04; 15795/0141               |
| 09/29/04    | 041465-5246         | 10/951,895      |                            |                            | 09/29/04; 15850/0215               |
| 10/12/04    | 041465-5247         | 10/961,141      |                            |                            | 10/12/04; 15885/0664               |
| 10/05/04    | 041465-5248         | 10/957,979      |                            |                            | 10/05/04; 15874/0974               |
| 10/13/04    | 041465-5249         | 10/962,757      |                            |                            | 12/09/04; 16061/0890               |
| 11/02/04    | 041465-5250         | 10/978,418      |                            |                            | 11/02/04; 15949/0427               |
| 11/23/04    | 041465-5251         | 10/994,653      |                            |                            |                                    |
| 11/10/04    | 041465-5252         | 10/984,757      |                            |                            |                                    |
| 11/23/04    | 041465-5253         | 10/995,088      |                            |                            |                                    |
| 12/01/04    | 041465-5254         | 10/999,962      |                            |                            |                                    |
| 02/24/05    | 041465-5255         | 10/525,527      |                            |                            |                                    |
| 01/10/05    | 041465-5256         | 10/520,665      |                            |                            |                                    |
| 02/14/05    | 041465-5257         | 10/524,414      |                            |                            |                                    |
| 02/25/05    | 041465-5258         | 10/525,641      |                            |                            |                                    |
| 02/18/05    | 041465-5259         | 11/060,780      |                            |                            |                                    |
| 02/25/05    | 041465-5260         | 11/066,003      |                            |                            |                                    |
| 03/14/05    | 041465-5261         | 11/078,700      |                            |                            |                                    |
| 03/22/05    | 041465-5262         | 11/085,130      |                            |                            |                                    |
| 03/23/05    | 041465-5263         | 11/086,669      |                            |                            |                                    |
| 03/29/05    | 041465-5264         | 11/091,716      |                            |                            |                                    |

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

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Acting on behalf of the assignee, the undersigned hereby revokes all powers of attorney previously granted in these applications and patents and appoints:

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